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⑤4 Active acoustic control system matching model reference.

(57) An acoustic system (20) includes a model reference (22) having a selectively programmable response, and an active model (24) including in combination an acoustic path (26) and an adaptive filter (28) such that the combination of the acoustic path (26) and the adaptive filter (28) adaptively models the model reference (22) such that the combined response of the acoustic path (26) and the adaptive filter (28) provides an active model response matching the response of the model reference (22).

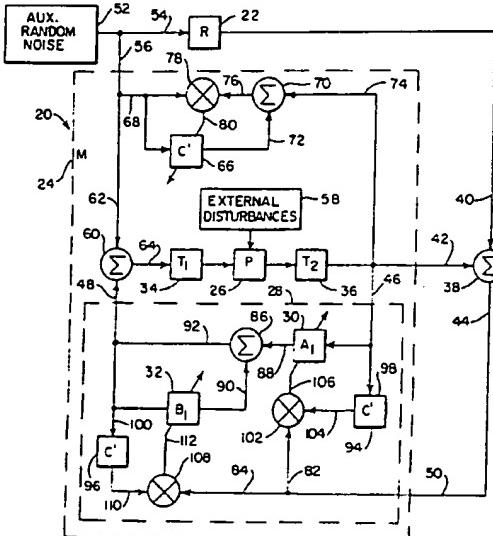


FIG. I



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EUROPEAN SEARCH REPORT

Application Number
EP 94 30 0769

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.)						
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim							
D,A	ASTROM & WITTENMARK 'Adaptive Control' 1989, ADDISON-WESLEY PUBLISHING COMPANY, READING, MASSACHUSETTS, USA * page 105, line 2 - page 106, line 12; figure 4.1 *	1,24,26	G10K11/16						
A	JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, vol.91, no.5, May 1992, NEW YORK US pages 2740 - 2747 F. ORDUÑA-BUSTAMANTE & P.A. NELSON 'An adaptive controller for the active absorption of sound'	1							
A	WO-A-91 13429 (NOISE CANCELLATION TECHNOLOGIES)	---							
A	US-A-2 043 416 (P. LUEG)	---							
A	GB-A-2 088 951 (LORD)	-----							
			TECHNICAL FIELDS SEARCHED (Int.Cl.)						
			G10K						
<p>The present search report has been drawn up for all claims</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Place of search</td> <td style="width: 33%;">Date of completion of the search</td> <td style="width: 34%;">Examiner</td> </tr> <tr> <td>THE HAGUE</td> <td>18 August 1995</td> <td>Albertsson, E</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	THE HAGUE	18 August 1995	Albertsson, E
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THE HAGUE	18 August 1995	Albertsson, E							
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application I : document cited for other reasons & : member of the same patent family, corresponding document</p>									